

**CLIENT: MATAVERDE HARDWOOD DECKING & SIDING**

531 Broad Street  
New London, CT 06320  
Perry Alibrio

<b>Test Report No: RJ2432-2</b>	<b>Date: April 18, 2013</b>
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**SAMPLE ID:** Test samples were identified as Cumaru.

**SAMPLING DETAIL:** Test samples were submitted to the laboratory directly by the client. No special sampling conditions or sample preparation were observed by QAI.

**DATE OF RECEIPT:** Samples were received at QAI on March 28, 2013.

**TESTING PERIOD:** April 17, 2013.

**AUTHORIZATION:** Testing authorized by Perry Alibrio.

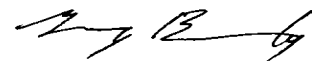
**TEST REQUESTED:** Perform standard flame spread and smoke density developed classification tests on the sample supplied by the Client in accordance with ASTM Designation E84-10, "Standard Method of Test for Surface Burning Characteristics of Building Materials". The foregoing test procedure is comparable to UL 723, ANSI/NFPA No. 255, and UBC No. 8-1.

<b>TEST RESULTS:</b>	<b><u>Flame Spread</u></b>	<b><u>Smoke Developed</u></b>
	20	130

Detailed test results are presented in the subsequent pages of this report

**CONCLUSION:** The submitted material meets the requirements for a "Class A" Flame Spread. See classification requirements on page 2.

**Signed for and on behalf of  
QAI Laboratories, Inc.**



Greg Banasky  
Senior Technician



**PREPARATION AND CONDITIONING:** The sample material was submitted in pieces, 5 1/2" wide by 96" long. Four of the pieces were placed side by side and battened together to form specimens, 22" by 96" long, conforming to test chamber dimensions. Three of these pieces were used for the test. The sample was supported during testing with 1/4" round metal rods placed at two foot intervals across the width of the test chamber

**E 84 TEST DATA SHEET:**

**CLIENT:** MATAVERDE HARDWOOD DECKING & SIDING      **DATE:** 04/17/13

**SAMPLE:** Cumaru

**FLAME SPREAD:**

**IGNITION:** 1 minute, 8 seconds

**FLAME FRONT:** 6 feet maximum

**TIME TO MAXIMUM SPREAD:** 6 minutes, 35 seconds

**TEST DURATION:** 10 minutes

**CALCULATION:** 39.29 x 0.515 = 20.24

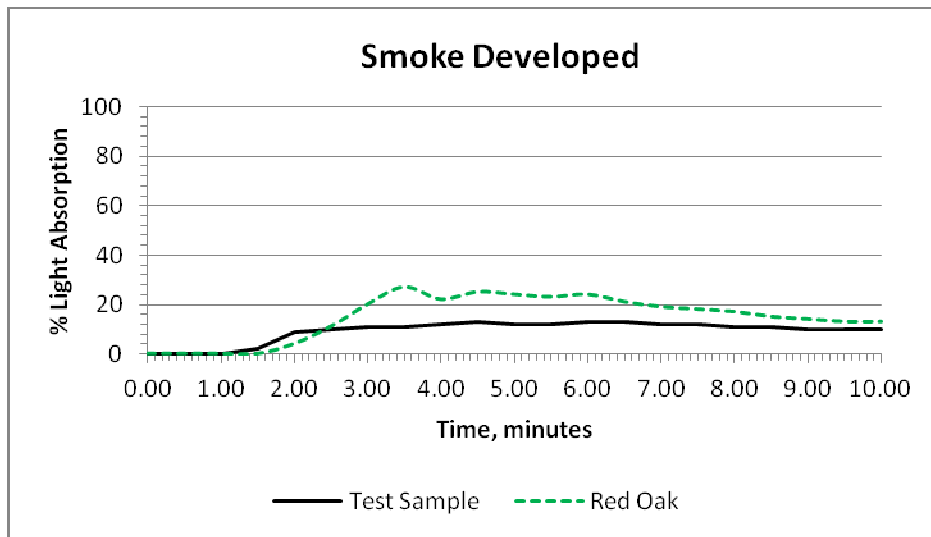
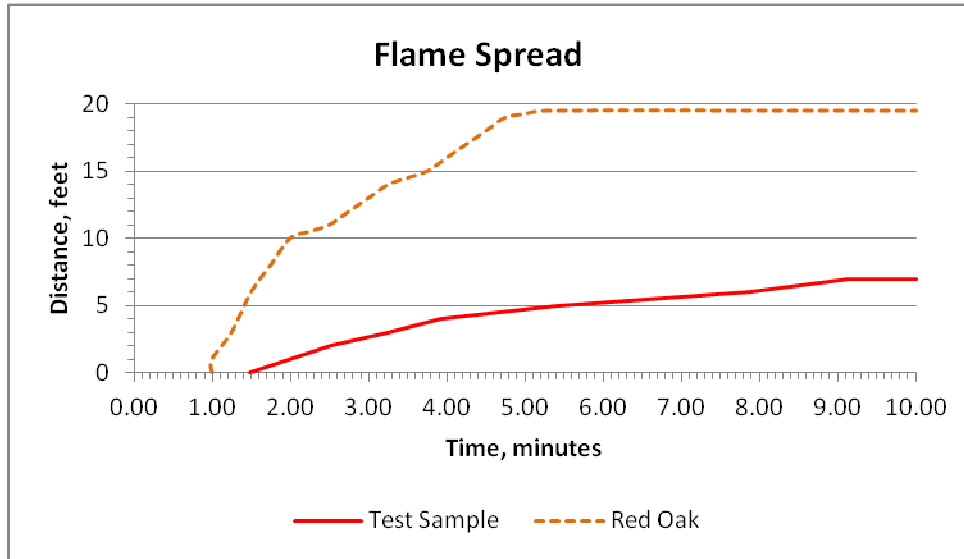
**SUMMARY: FLAME SPREAD: 20      SMOKE DEVELOPED: 130**

In order to obtain the Flame Spread Classification, the above results should be compared to the following table:

<u>NFPA CLASS</u>	<u>IBC CLASS</u>	<u>FLAME SPREAD</u>	<u>SMOKE DEVELOPED</u>
A	A	0 through 25	Less than or equal to 450
B	B	26 through 75	Less than or equal to 450
C	C	76 through 200	Less than or equal to 450

**BUILDING CODES CITED:**

1. National Fire Protection Association, ANSI/NFPA No. 101, "Life Safety Code", 2006 Edition.
2. International Building Code, 2006 Edition, Chapter 8, Interior Finishes, Section 803.



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